



2001 Toxics Release Inventory

IOWA

Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	33,000,185
Air Emissions	24,332,303
Surface Water Discharges	3,145,360
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	17,600
Other On-site Land Releases	5,504,922
Off-site Releases (Transfers Off-site to Disposal)*	4,873,295
Total On- and Off-site Releases	37,873,480
Recycled On-site	213,121,679
Recycled Off-site	42,711,679
Energy Recovery On-site	748,473
Energy Recovery Off-site	4,134,190
Treated On-site	40,216,595
Treated Off-site**	10,570,453
Quantity Released On- and Off-site***	45,144,138
Total Production-related Waste Managed	356,647,207
Non-production-related Waste Managed	222,407
Transfers Off-site for Further Waste Management, including Disposal	
Recycling	42,720,473
Energy Recovery	4,082,181
Treatment	2,232,417
Publicly Owned Treatment Works (POTWs)	8,806,542
Metals and Metal Category Compounds*	96,565
Non-metal TRI Chemicals**	8,709,977
Other Off-site Transfers****	0
Transfers Off-site to Disposal (not including metals to POTWs)	12,077,803
Total Transfers Off-site for Further Waste Management, including Disposal	69,919,417

- * Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.
- ** Transfers to POTWs of non-metals are included in treated off-site waste management activity.
- *** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.
- **** Transfers reported without a valid waste management code.

For More Information . . .

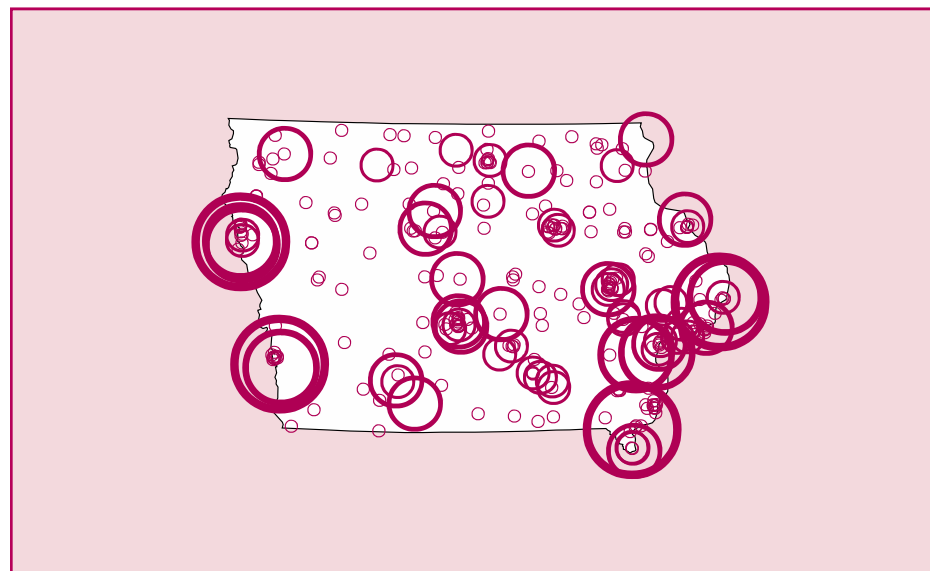
State Contact

Emergency Response Unit
401 SW 7th Street, Suite I
Des Moines, IA 50309
(515) 281-8694

EPA Regional Contact

Stephen Wurtz
USEPA Region 7 (ARTD/CRIB)
901 North 5th Street
Kansas City, KS 66101
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To obtain TRI data use
assistance, call TRI User
Support Service (TRI-US):
(202) 566-0250
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of Iowa. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	2,931,967
Square Miles	55,875
Total Facilities	433
Total Forms	1,579
Form As	285

	Total
National Rank for Total On- and Off-site Releases*	
Rank	32
Pounds	37,873,480
National Rank for Total On-site Releases**	
Rank	30
Pounds	33,000,185
National Rank for Total Releases within State***	
Rank	33
Pounds	35,611,118
National Rank for Production-related Waste Managed	
Rank	26
Pounds	356,647,207

- * Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.
- ** Includes amounts released at the facility. Excludes amounts transferred to other sites.
- *** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Zinc compounds	84,368	5,741	0	416,906	6,459,304	6,966,319	30,164	408,638	6,050,666
7664-41-7	Ammonia	4,686,900	133,403	0	3,829	166,223	4,990,355	16,130	166,223	0
—	Barium compounds	109,325	487	0	3,507,123	1,288,330	4,905,265	0	885,131	541,654
7647-01-0	Hydrochloric acid	4,245,750	0	0	0	0	4,245,750	0	0	0
110-54-3	n-Hexane	4,153,391	317	0	0	0	4,153,708	0	0	0

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	20,666.26	2,059.77	0.00	139,751.30	699,009.17	861,486.50	20.53	18,861.54	685,797.53
7439-92-1	Lead	11,111.57	21.11	0.00	7,004.96	78,763.81	96,901.44	7.00	2,204.92	76,558.99
—	Polycyclic aromatic compounds	24,243.25	0.00	0.00	0.00	5,577.40	29,820.65	50.34	5,577.40	0.00
—	Mercury compounds	2,339.53	6.13	0.00	108.70	493.99	2,948.35	0.00	213.09	286.10
40487-42-1	Pendimethalin	843.00	0.00	0.00	0.00	0.00	843.00	0.00	0.00	0.00
1582-09-8	Trifluralin	492.00	0.00	0.00	0.00	0.00	492.00	0.00	0.00	0.00
191-24-2	Benzo(g,h,i)perylene	380.01	0.00	0.00	0.00	36.60	416.61	2.47	36.60	0.00
7439-97-6	Mercury	373.44	0.00	0.00	16.91	11.17	401.52	0.00	6.00	5.17
1336-36-3	Polychlorinated biphenyls (PCBs)	0.00	0.00	0.00	0.00	257.00	257.00	0.00	0.00	257.00
118-74-1	Hexachlorobenzene	11.80	0.00	0.00	0.00	0.00	11.80	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.08	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>38.179</i>	<i>0.000</i>	<i>0.000</i>	<i>0.000</i>	<i>0.831</i>	<i>39.010</i>	<i>0.000</i>	<i>0.831</i>	<i>0.000</i>
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
79-94-7	Tetrabromobisphenol A	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

*** No reports were submitted for these chemicals.

** The chemical ranking is based on the amounts in this column.



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On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Climax Molybdenum Co., Fort Madison, Lee	2,795,006	4,776	0	0	0	1,029	2,800,811	0	0
Midamerican Energy Co. Council Bluffs Energy Center, Council Bluffs, Pottawattamie	583,672	588	0	0	0	1,506,029	2,090,290	0	0
Midamerican Energy Co. George Neal North, Sergeant Bluff, Woodbury	603,307	876	0	0	0	1,397,260	2,001,443	0	277
Equistar Chemicals L.P. Clinton Plant, Clinton, Clinton	1,873,540	0	0	0	0	0	1,873,540	96	37,400
Midamerican Energy Co. - Louisa Generating Station, Muscatine, Louisa	409,581	271	0	0	0	1,107,482	1,517,334	0	0
IBP Inc., Columbus Junction, Louisa	18,115	1,370,500	0	0	0	220	1,388,835	9,149	250
Midamerican Energy Co. George Neal South, Salix, Woodbury	430,804	0	0	0	0	831,112	1,261,916	0	0
ADM Corn Processing, Clinton, Clinton	1,211,266	49,069	0	0	0	150	1,260,485	181,512	4
Terra Nitrogen, Sergeant Bluff, Woodbury	976,270	119,505	0	0	0	250	1,096,025	0	0
Bunge N.A. Inc., Council Bluffs, Pottawattamie	922,048	0	0	0	0	0	922,048	35,000	0

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Midamerican Energy Co. Council Bluffs Energy Center, Council Bluffs, Pottawattamie	1,883.30	0.00	0.00	0.00	0.00	37,421.30	39,304.60	0.00	0.00
Midamerican Energy Co. George Neal North, Sergeant Bluff, Woodbury	1,876.30	0.00	0.00	0.00	0.00	33,625.50	35,501.80	0.20	0.00
Midamerican Energy Co. - Louisa Generating Station, Muscatine, Louisa	1,464.40	15.70	0.00	0.00	0.00	27,201.20	28,681.30	0.00	0.00
Midamerican Energy Co. George Neal South, Salix, Woodbury	1,447.60	0.00	0.00	0.00	0.00	21,649.30	23,096.90	0.00	0.00
AG Processing Inc. A Cooperative, Manning, Carroll	21,220.00	0.00	0.00	0.00	0.00	0.00	21,220.00	0.00	0.00
Lehigh Portland Cement Co., Mason City, Cerro Gordo	728.17	0.00	0.00	0.00	0.00	11,135.00	11,863.17	6.91	0.00
Griffin Pipe Prods. Co., Council Bluffs, Pottawattamie	7,493.00	8.00	0.00	0.00	0.00	0.00	7,501.00	0.00	56,117.00
Lafarge N.A., Buffalo, Scott	73.60	0.00	0.00	0.00	0.00	5,721.40	5,795.00	0.00	0.00
Griffin Wheel Co. Keokuk Plant, Keokuk, Lee	1,170.00	0.00	0.00	0.00	0.00	2,700.00	3,870.00	0.00	15,114.00
Grain Processing Corp., Muscatine, Muscatine	3,340.00	0.00	0.00	0.00	0.00	0.00	3,340.00	0.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Ipsco Steel Inc., Muscatine, Muscatine	0	0	0	0	0	0	7,103,728	7,103,728	0
Climax Molybdenum Co., Fort Madison, Lee	0	0	0	0	1,000,000	0	2,840,061	3,840,061	0
Midamerican Energy Co. Council Bluffs Energy Center, Council Bluffs, Pottawattamie	0	0	0	0	0	0	2,090,290	2,090,290	0
Midamerican Energy Co. George Neal North, Sergeant Bluff, Woodbury	0	0	0	0	0	0	2,001,720	2,001,720	0
Equistar Chemicals L.P. Clinton Plant, Clinton, Clinton	0	0	0	915,916	6,867,649	51,384	1,886,653	9,721,602	0
Midamerican Energy Co. - Louisa Generating Station, Muscatine, Louisa	0	0	0	0	0	0	1,517,335	1,517,335	0
ADM Corn Processing, Clinton, Clinton	0	0	0	0	245,290	0	1,441,403	1,686,693	0
IBP Inc., Columbus Junction, Louisa	0	0	0	0	86,000	0	1,428,010	1,514,010	18
Midamerican Energy Co. George Neal South, Salix, Woodbury	0	0	0	0	0	0	1,261,915	1,261,915	0
Terra Nitrogen, Sergeant Bluff, Woodbury	1,788,000	0	0	0	0	0	1,092,040	2,880,040	7,800

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Ipsco Steel Inc., Muscatine, Muscatine	0.00	0.00	0.00	0.00	0.00	0.00	548,386.00	548,386.00	0.00
North Star Recycling, Wiltonjunction, Muscatine	0.00	0.00	0.00	0.00	0.00	0.00	91,425.00	91,425.00	0.00
Griffin Pipe Prods. Co., Council Bluffs, Pottawattamie	0.00	0.00	0.00	0.00	0.00	0.00	63,623.00	63,623.00	0.00
Midamerican Energy Co. Council Bluffs Energy Center, Council Bluffs, Pottawattamie	0.00	0.00	0.00	0.00	0.00	0.00	39,305.00	39,305.00	0.00
Midamerican Energy Co. George Neal North, Sergeant Bluff, Woodbury	0.00	0.00	0.00	0.00	0.00	0.00	35,502.00	35,502.00	0.00
Midamerican Energy Co. - Louisa Generating Station, Muscatine, Louisa	0.00	0.00	0.00	0.00	0.00	0.00	28,682.00	28,682.00	0.00
Midamerican Energy Co. George Neal South, Salix, Woodbury	0.00	0.00	0.00	0.00	0.00	0.00	23,097.00	23,097.00	0.00
AG Processing Inc. A Cooperative, Manning, Carroll	0.00	0.00	0.00	0.00	0.00	0.00	21,220.00	21,220.00	0.00
Nulex Inc., Sergeant Bluff, Woodbury	8,300.00	0.00	0.00	0.00	19,250.00	0.00	19,250.00	46,800.00	0.00
Griffin Wheel Co. Keokuk Plant, Keokuk, Lee	53.00	6,373.00	0.00	0.00	0.00	0.00	18,984.00	25,410.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.